L Number	Hits	Search Text	DB	Time stamp
1	56	Sung NEAR Young	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:50
2	3	Suh NEAR You NEAR Suk	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:54
3	1	(Sung NEAR Young) and SIV	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:53
4	3608	Vaccine SAME AIDS	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:57
5	207	(Vaccine SAME AIDS) and (SIV SAME monkey$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:55
6	135	((Vaccine SAME AIDS) and (SIV SAME monkey$3)) and rhesus	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:56
7	708	DNA SAME Vaccine SAME AIDS	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:57
8	99	(DNA SAME Vaccine SAME AIDS) and SIV	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:57
9	75	((DNA SAME Vaccine SAME AIDS) and SIV) and monkey$2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 10:58
10	25	(US-6555342-$ or US-6534312-$ or US-6531123-$ or US-6479281-$ or US-6365150-$ or US-6326007-$ or US-6319666-$ or US-6207455-$ or US-6001985-$ or US-5851813-$ or US-6521739-$).did. or (US-20030091585-$ or US-20010004531-$ or US-20030134817-$ or US-20030049229-$ or US-20020123471-$ or US-20020034502-$ or US-20010036655-$).did. or (WO-9904026-$ or WO-9504546-$ or WO-3048366-$ or WO-3075955-$).did. or (WO-200018430-$ or WO-200192506-$ or US-20010004531-$).did.	USPAT; US-PGPUB; EPO; DERWENT	2003/12/12 11:06
-	4	Sung NEAR Young NEAR Chul	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 10:38
-	307	SIV WITH (gag dpol env rev)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 10:59
-	58	(SIV WITH (gag dpol env rev)) and ((dele$ OR lack$) WITH (vpr tat nef))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 10:58
-	1259	simian NEAR immunodeficiency NEAR virus	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 10:59
-	292	(simian NEAR immunodeficiency NEAR virus) SAME (gag dpol env rev vpr tat nef)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 11:00

-	267	((simian NEAR immunodeficiency NEAR virus) SAME (gag dpol env rev vpr tat nef)) and (dele$ lack$ mutat$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 11:01
-	70	((simian NEAR immunodeficiency NEAR virus) SAME (gag dpol env rev vpr tat nef)) SAME (dele$ lack$ mutat$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 11:10
-	1	pTV-SIV$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 11:11
-	21	(US-6555342-$ or US-6531123-$ or US-6479281-$ or US-6365150-$ or US-6326007-$ or US-6319666-$ or US-5851813-$ or US-6001985-$ or US-6207455-$ or US-6521739-$ or US-6534312-$).did. or (US-20030091585-$ or US-20010004531-$ or US-20030134817-$ or US-20030049229-$ or US-20020123471-$ or US-20020034502-$ or US-20010036655-$).did. or (WO-200018430-$ or WO-200192506-$ or WO-9504546-$).did.	USPAT; US-PGPUB; DERWENT	2003/08/08 11:25
-	2	WO NEAR "9904026"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 15:44
-	4	WO NEAR "9504546"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/08/08 18:15
-	2	("6479281").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/12 11:06

=> d his

(FILE 'HOME' ENTERED AT 11:38:19 ON 12 DEC 2003)

FILE 'MEDLINE, AGRICOLA, CANCERLIT, SCISEARCH, CAPLUS, MEDICONF' ENTERED AT 11:39:25 ON 12 DEC 2003

```
L1          9226 S VACCINE (L) AIDS
L2             0 S L1 AND (RESUS MONKEY?)
L3           355 S L1 AND (RHESUS MONKEY?)
L4           118 S L3 AND (DNA OR NUCELEIC OR PLASMID)
L5           147 S L3 AND (DNA OR NUCELEIC OR PLASMID OR VECTOR)
L6            92 DUP REM L5 (55 DUPLICATES REMOVED)
L7            36 S L6 AND PY<=1999
L8            36 FOCUS L7 1-
L9            27 S L7 AND (SIV OR SIMIAN)
L10           27 FOCUS L9 1-
L11            1 S L3 AND PTV?
```

=> d an ti so au ab pi l11

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:454497 CAPLUS
DN 139:35071
TI SIVmac239 immunogenic plasmids and **AIDS** DNA **vaccines**
SO PCT Int. Appl., 196 pp.
CODEN: PIXXD2
IN Sung, Young-Chul; Suh, You-Suk
AB The present invention relates to immunogenic plasmids showing excellent expression efficiency of immunogens and immune efficacy in the SIVmac239/ **rhesus monkey** model and **AIDS** human patients.
Also, the present invention relates to DNA **vaccines** for prophylaxis or treatment of **AIDS** contg. the above immunogenic plasmids. A basic vector for an immunogenic plasmid to be contained in an **AIDS** DNA **vaccine**, designated pGX10, was constructed by augmenting vector **pTV2** (US patent 2001004531) and pTX (A. H. Lee et al., **Vaccine** 1999, 17: 473-9). The vector pGX10 of 3.6 kb is characterized by comprising SV40 ori, cytomegalovirus early promoter/enhancer sequence, adenovirus tripartite leader sequence, multicloning site, SV40 polyadenylation sequence, SV40 enhancer, ColE1 Ori and a kanamycin resistance gene. This vector has a high level of expression in vitro (10-fold higher than **pTV2**) and also shows excellent immune response in vivo (inducing 10-fold more antibody response than pTX). An immunogenic plasmid contains the SIVmac239 gene pol and adjuvant (regulatory) gene fused with the DNA sequence encoding the signal sequence of glycoprotein gD of herpes simplex virus. Thus, in addn. to the genes gag, pol, and env, which have been conventionally used, adjuvant genes vif, nef, tat, and vpx are used in immunization, whereas gene vpr is not used since it is known to have an immune inhibitory effect. Genes nef and tat (partial genes where appropriate rather than full-length) are fused to other adjuvant genes vif and vpx, resp., to produce expression vectors, so that their known immune disturbance activities can be reduced. HIV-1 genes are also used to construct immunogenic plasmids.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003048366	A1	20030612	WO 2002-KR855	20020508

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG